AMSAT News Service Weekly Bulletins
Issue: ANS-146
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SB ALL @ AMSAT $ANS-146.01
SAREX-2/STS-35 LAUNCH SET

HR AMSAT NEWS SERVICE BULLETIN 146.01 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

STS-35/SAREX-2 Planned Lift-off Set For May 30, 1990 04:38:00 UTC

This week, NASA officals informed AMSAT and the ARRL that the planned lift-off of the Shuttle Columbia carrying the Shuttle Amateur Radio Experiment (SAREX) is now planned for Wednesday, May 30, 1990 at 04:38:00 UTC. PLEASE NOTE: this is Wednesday morning, 12:38 A.M. EDT in the U.S. Payload Specialist Ron Parise (WA4SIR) will be the control station operator during the ten day mission. The SAREX payload will consist of a ROBOT packet radio station which will use the call WA4SIR. Also, Ron will be operating 2 meter FM voice when his work schedule permits. Stations wishing to connect to WA4SIR will receive a QSO number which they can use to verify their contact when they send in their QSL card. QSL'ing will be handled by the ARRL. Cards may be sent to the American Radio Relay League, 225 Main Street, Newington, CT, 06111. Please include a s.a.s.e. with your QSL card.

/EX
SB ALL @ AMSAT $ANS-146.02
STS-35 PRELIMINARY ELEMENTS

HR AMSAT NEWS SERVICE BULLETIN 146.02 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

STS-35/SAREX-2 Preliminary Orbital Elements & Packet/Voice Frequencies

On Wednesday, May 30, 1990, 04:38:00 UTC the Shuttle Columbia is scheduled to lift-off from Cape Canaveral carrying the Shuttle Amateur Radio Experiment (SAREX). As part of the crew, Ron Parise (WA4SIR) will be aboard with the capability to work 2M FM voice and packet radio. The primary frequencies which will be used for both operations will be a simple 600 kHz repeater split of 145.550/144.950 MHz.

The following is the best set of orbital elements available at press time from NASA for the STS-35 mission.

STS-35
1 00035U 90150.24513889 .00031000 22174-3 0 110
2 00035 28.4690 148.3930 0005720 246.6067 119.6564 15.71792660 20

And the same data in the longer "AMSAT standard" format:

Satellite: STS-35
Epoch time: 90150.24513889
Element set: JSC-0011
Inclination: 28.4690 deg
RA of node: 148.3930 deg
Eccentricity: 0.0005720
Arg of perigee: 246.6067 deg
Mean anomaly: 119.6564 deg
Mean motion: 15.71792660 rev/day

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Decay rate:       3.1e-04  rev/day^2
Epoch rev:            2

For updates on the orbital elements for STS-35 throughout the ten day mission,
stay tuned to WA3NAN, W5RRR, W6VIO, AMSAT Nets, and ARRL bulletins.

/EX
SB ALL @ AMSAT      $ANS-146.03
SAREX FREQUENCY LISTING

HR AMSAT NEWS SERVICE BULLETIN 146.03 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

Downlink/Uplink Frequencies to be used on Upcoming Mission

Get out your HTs and HT programming manuals.  You will want to program your 2
meter FM transceivers with the following information.

                        Shuttle        Shuttle
                        TX Freq        RX Freq
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SB ALL @ AMSAT $ANS-146.04
OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 146.04 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule Announced

AMSAT Operations Nets are planned for the following times. Mode B nets are conducted on an AO-13 downlink frequency of 145.950. Mode J/L nets are conducted on an AO-13 downlink frequency of 435.970.

Date UTC	Time	Phs	Mode	NCS	U.S. Day
04 Jun 90	0100	104	J/L	N5BF	Sunday
15 Jun 90	0115	104	J/L	N5BF	Thursday
26 Jun 90	0115	144	B	N5BF	Monday

For information on the amateur satellite program and how you can participate, contact AMSAT-NA at P.O. Box 27, Washington, DC 20044, phone (301) 589-6062, or contact your local AMSAT Area Coordinator.

/EX
SB ALL @ AMSAT $ANS-146.05
AO-13 TRANSPONDER SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 146.05 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

Transponder Schedule for AO-13 Effective 05MAY90

The present transponder schedule for AO-13 is as follows:

Mode-B	: MA 000 to MA 100
Mode-JL	: MA 100 to MA 125
Mode-LS	: MA 125 to MA 130 (Mode S Beacon only)
Mode-S	: MA 130 to MA 135
Mode-BS	: MA 135 to MA 140
Mode-B	: MA 140 to MA 256
Omnis	: MA 220 to MA 040

The best estimate of the current attitude is:

BLON = 180 and BLAT = +3 for 05 May 90

Cross mode B and S QSOs are possible during MA 135 to 140.

AO-10's Mode-B Transponder Now Available for Use:

AMSAT-OSCAR-10 appears to be receiving sufficient solar panel illumination to support Mode-B transponder operations, therefore, the transponder is available for general use whenever AO-10 is in view at your location. Please DO NOT use the transponder if the signals are FMing. The current estimate of AO-10's attitude is LON 24 deg LAT -9 deg.

[AO-10 update received from Graham Ratcliff, VK5AGR, via AO-13 beacons.]

/EX

SB ALL @ AMSAT $ANS-146.06
FIFTH ANNUAL AMSAT-UK COLLOQUIUM

HR AMSAT NEWS SERVICE BULLETIN 146.06 FROM AMSAT HQ
SILVER SPRING, MD MAY 26, 1990
TO ALL RADIO AMATEURS BT

AMSAT-UK Sponsors 5th Annual Satellite Colloquium at U. of Surrey.

AMSAT-UK is sponsoring a symposium dealing with all OSCAR satellites and digital communications. With the recent launch of the MICROSATs, UOSAT D & E, and FO-20, OSCAR enthusiasts should find this year's meeting particularly interesting. Questions & Answer sessions with various Amateur Satellite and Packet experts are planned as are tours of the UoSat command station. As in years past, the University of Surrey will be the meeting place for this colloquium. The following is the "line-up" of programs planned for the week of July 26-29:

Thursday	July 26th:	International Satellite Day
Friday	July 27th:	Introductory Satellite Sessions
Saturday	July 28th:	Advanced Satellite Sessions/Packet
Sunday	July 29th:	Advanced Satellite Sessions/Packet

If you are interested in finding out more details concerning accommodations and the programs to be presented, contact:

Ron Broadbent, G3AAJ
94 Herongate Road
Wanstead Park
London E12 5EQ England

Tel: 081-989-6741
Fax: 081-989-3430 (24 Hours)

Information is also available on the DRIG BBS and the Hamnet Forum of Compuserve in Data Library 5. The file name is UKCOLL.TXT. It is in MSDOS text format. A file in Wordperfect 5.0 format, named UKCOLL.WP5, is also available in the same data library on Compuserve.

Note that the area code for AMSAT-UK has changed. To use AT&T in the United States to call AMSAT-UK replace the 081 prefix with 011-44-81. Contact your long distance carrier for their international dialing instructions.

[ANS thanks Ron Broadbent G3AAJ and Eric Cottrell WB1HBU for this bulletin]

/EX

Posted: Sun, May 27, 1990 4:39 AM GMT Msg: LGJA-4272-4088
From: TCLARK
To: is
Subj: SAREX.009A: Minor correction to SAREX.009

SB SAREX @ AMSAT < W3IWI $SAREX.009A
SAREX Btn #9 correction

A minor typographical error crept into one entry in the timeline in the SAREX.009 bulletin. The line which was sent as:

02-Jun 14:38 - 11:33 | 3d+10:00 - 4d+06:55 | SAREX ROBOT

should have read:

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    02-Jun 23:38 - 11:33 | 3d+19:00 - 4d+06:55 | SAREX ROBOT

73 de Tom, W3IWI
/EX


Posted: Sun, May 27, 1990   4:43 AM GMT             Msg: BGJA-4272-4092
From:   TCLARK
To:     is
Subj:   Concerning changed BIDs

Some of us who post these bulletins onto the packet channels have been taking
a lot of heat because some stations, somewhere are changing the BIDs, creating
un-necessary duplication of the @AMSAT bulletins. I had complaints from
Washington state, Costa Rica, Delaware, Wisconsin just today. Here is the
text of a packet bulletin I have circulated about this topic:


SP  SYSOP@AMSAT < W3IWI  $14001_W3IWI
Concerning @AMSAT BIDs
R:900526/1826z 14001@W3IWI.MD.USA [Balto/Wash MD/DC/VA/DE] Z:21029

Concerning @AMSAT dupes and their BIDs: The @AMSAT bulletins originate
(usually on weekends) on a non-amateur channel and are fanned out to regional
distribution points with a standard BID like ORB-139.M or ANS-125.03. The
local gateways (including KD9QB, W3IWI, N4QQ, WA4ONG) all post them with the
same pre-assigned BID but with their own call as the originating station. Any
you see with BIDs like 12345_W3IWI or 23456_KD9QB have been changed somewhere!

The past couple of weeks (and for the duration of the WA4SIR STS-35 flight)
you have also seen some SAREX @ AMSAT bulletins with BIDs like SAREX.008
originating here at W3IWI. Occasionally (like right after a launch) you may
also see some @AMSAT bulletins with "hot" news originating with non-standard
BIDs, and some @AMSAT bulletins from elsewhere (like Europe and Australia)
may also "leak" into the system with non-standard BIDs.

It appears that some BBS stations have their software configured to drop
the original BIDs under some conditions, while others have their software
configured to reassign BIDs (or MIDs=Message IDs) based on the forwarding
headers in a message. It appears that AA4RE's REBBS and WA8BXN's MSYS code
may have some options which may permit this to happen. No problems have been
seen that could be traced to WA7MBL, W0RLI, CBBS or PRMBS BBS code.

The problem is serious -- some weeks I have seen as many as 3 or 4 copies
of some @AMSAT and @ARRL bulletins make it into the system. Please review
your BBS software configuration options and make sure that you are not the
unwitting source of problems.

Tnx & 73 de Tom, W3IWI

/EX
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